

# PATENT ABSTRACTS OF JAPAN

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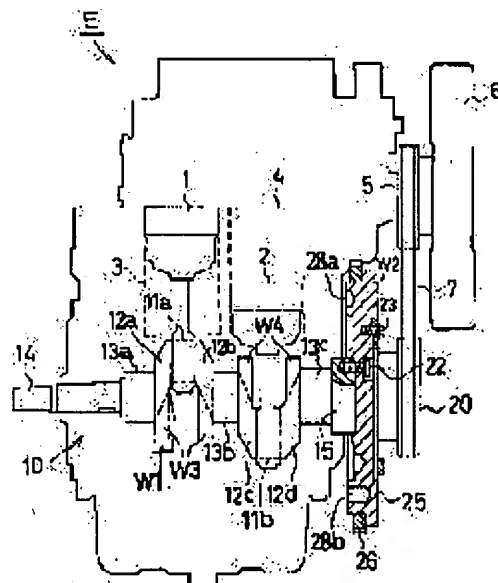
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## (54) CRANKSHAFT DEVICE FOR TWO-CYLINDER FOUR-CYCLE ENGINE

(57)Abstract:

PURPOSE: To reduce energy loss even in the case that massive error occurs at balance weights when a crankshaft alone is balanced, by easily adjusting the massive error afterward, and reducing the mass of a second balance weight.

CONSTITUTION: A fan driving pulley 20 and a flywheel 25 are fixed to a crankshaft 10 in which a crank angle of 180 degrees are shown between a first crank pin 11a and a second crank pin 11b. A first balance weight W1 which suppresses a vibration moment M of the crank shaft 10 is arranged on a crank arm 12a on one end side of the crankshaft 10. A second balance weight W2 is arranged on a flywheel 2 fixed to the other end side of the crankshaft 10.



## LEGAL STATUS

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